



## TECHNICAL DATA SHEET

# TEKNACEM 100 M/1

Grinding aid and strength improver

### GENERAL CHARACTERISTICS

TEKNACEM 100 M/1 is a liquid grinding aid made from anorganic salts and modified amine salts that improves the grinding capacities of spherical grinding mills. TEKNACEM 100 M/1 combines the properties of TEKNACEM 401 and further improves the strengths and the flows. TEKNACEM 100 M/1 acts upon the cement during the grinding process improving its fineness and increasing the productivity of 15 - 30%. It reduces the pack-set during storage and it improves both early strengths by up to 30% and late strengths by approximately 10% as well as flowability.

### APPLICATION FIELDS

TEKNACEM 100 M/1 can be used for all types of cement but gives the best results in the grinding results in mixed cement types.

The use of TEKNACEM 100 M/1 results in either significantly reduced energy consumption while obtaining cement with the same fineness as before or significantly reduces the fineness of the cement produced at equal production rates and improves the mechanical characteristics of the cement.

TEKNACEM 100 M/1 can also be used with success in cements which were cut with lime, pozzolana, microsilicate, etc., but these applications need to be determined by laboratory tests.

### CHEMICAL AND PHYSICAL CHARACTERISTICS

TEKNACEM 100 M/1 is an aqueous solution of organic salts and modified amines.

State	liquid
Color	brown
Density at 20°C	1.19 ± 5%
pH at 20°C	7 – 8
Boiling temperature	110 °C
Freezing temperature	-5 °C
Solubility in water	soluble at any ratio
Chloride	present



TEKNA CHEM S.r.l.  
20050 Canonica di Triuggio (Mi) - ITALY - Via M. Buonarroti, no. 5/7  
Phone +39-0362 91.83.11 / 91.92.30 Fax +39 0362-91.93.96  
Email: [teknach@tin.it](mailto:teknach@tin.it)  
Representative for northwestern Europe & Switzerland:  
KLC Chemical Construction Products S.A.  
Grabenstrasse 32a - 6301 Zug, Switzerland  
Phone: +41-21-883 0261 Mobile: +41-76-337 8859  
Fax: +41-21-883 0262 Email: [kaufmannnd@access.ch](mailto:kaufmannnd@access.ch)

The information contained in this data sheet is based on data and knowledge considered to be true and accurate and is offered for the users consideration, investigation and verification, but we do not warrant the results to be obtained: Please read all statements, recommendations or suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use, which would infringe any patent or copyright.